

B.3.1

EDDY CURRENT TESTING LEVEL 1

Certification: NAS 410 EN 4179

Duration: 6 Days

Fees: 32,000 Baht / Person*

Training Sessions: 11 – 16 June 2018 (Bangkok)

Suitable for: / Requested level:

- NDT Operator, Technician, Engineer in the aerospace manufacturing, service, maintenance and overhaul industries.

Level 1: Responsibilities & Objectives:

- Be able to follow work instructions
- Have the skills and knowledge to process parts, document results and perform equipment standardization in accordance with approved work instructions
- Have the skills and knowledge to carry out any necessary preparation of parts before or after inspection in accordance with approved work instructions
- Have the skills and knowledge to conduct system
- Performance checks in accordance with the applicable process standard
- Receive guidance or supervision from the certified Level 2 or Level 3 in that method when necessary
- Perform interpretations and evaluations of specific products or product form for acceptance or rejection in accordance with approved work instructions

Content :

- Introduction to Electromagnetic Testing
- Eddy Current Theory
- Eddy Current Instrumentation
- Readout Mechanisms
- Eddy Current Sensing Elements
- Flux Leakage Theory
- Coil Impedance
- Eddy Current Test Systems and Analysis
- Introduction to Electromagnetic Testing Technique
- Practice

B.3.2

EDDY CURRENT TESTING LEVEL 2

Certification: NAS 410 EN 4179

Duration: 6 Days

Fees: 39,000 Baht / Person*

Training Sessions: 17 – 22 December 2018 (Bangkok)

Suitable for: / Requested level:

- NDT Operator, Technician, Engineer in the aerospace manufacturing, service, maintenance and overhaul industries. Who hold Eddy Current Testing Level 1

Level 2: Responsibilities & Objectives:

- Have the skills and knowledge to set up and standardize equipment, process parts, interpret and evaluate for acceptance or rejection, and document result.
- Be thoroughly familiar with the scope and limitation of the technique/method
- Have the skills and knowledge to conduct system performance checks in accordance with the applicable process standard.
- Be capable of providing the necessary guidance and/or supervision to trainees and Level 1 personnel
- Be familiar with the codes, standards, and other contractual that control the method as used by the employer.
- Be capable of developing work instructions from approved general procedures. However, work instructions shall require final approved by a Level 3 certificate in the method.
- Have a basic knowledge of relevant product manufacturing and inspection technology.
- Have a basic knowledge of aircraft or vehicle maintenance.

Content :

- Introduction to Electromagnetic Testing
- Eddy Current Theory
- Eddy Current Instrumentation
- Readout Mechanisms
- Eddy Current Sensing Elements
- Flux Leakage Theory
- Coil Impedance
- Eddy Current Test Systems and Analysis
- Selection of Test Frequency
- Coupling
- Electromagnetic Testing Application
- Electromagnetic Testing Block
- Practice

* Excluding VAT - Published prices and schedules are subject to change without advance notification

* Registration fees are inclusive of lunch and coffee breaks